Ramdeobaba University, Nagpur

Department of Computer Science and Engineering

Session: 2025-26

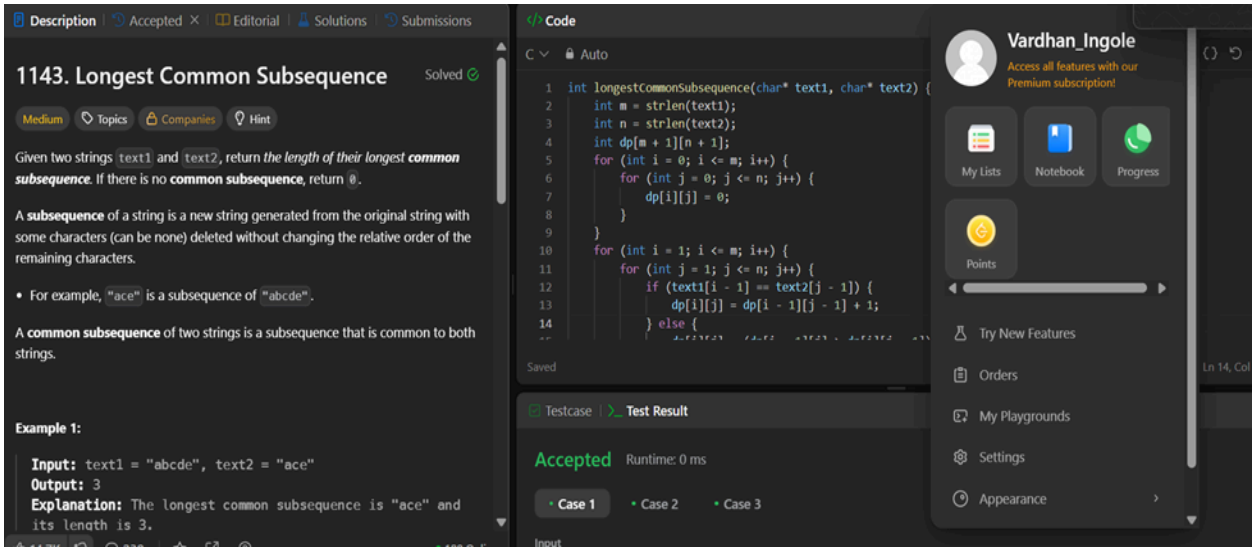
DAA LAB **III Semester**

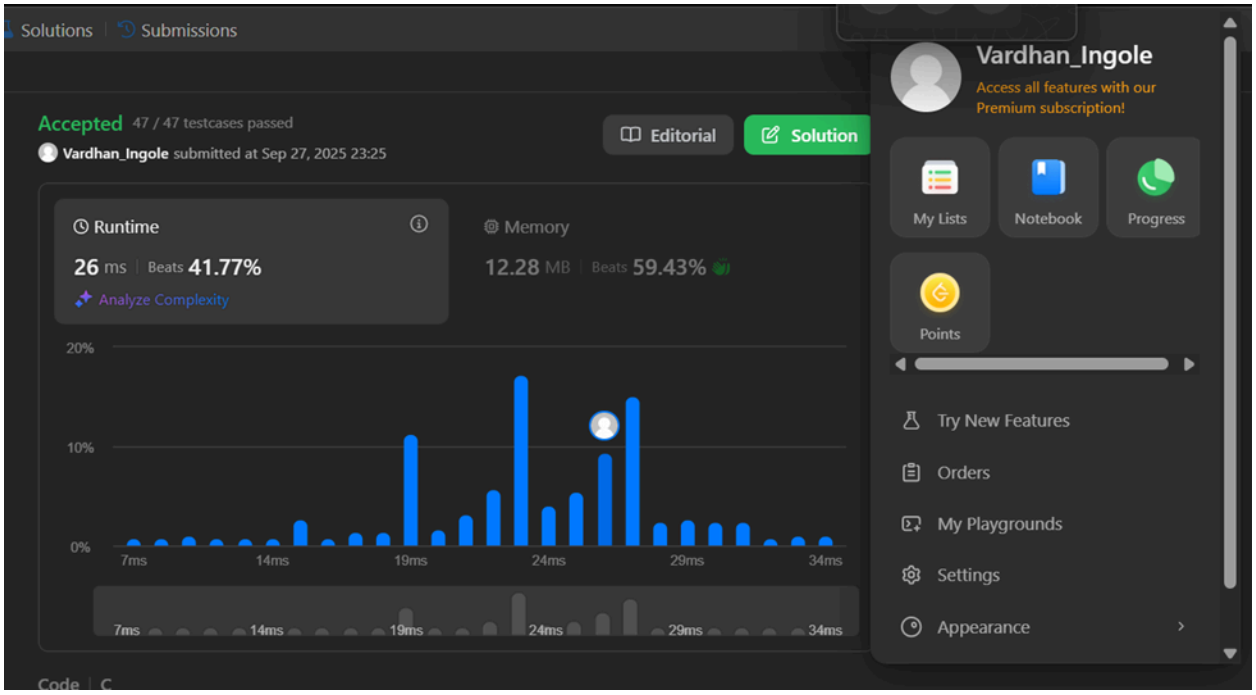
Name: Vardhan Ingole
Section: A4
Batch: B3
Roll No: 43

Practical -5 (LeetCode)

LeetCode Assessment:

https://leetcode.com/problems/longest-common-subsequence/submissions/1784499446/




Solutions
Submissions
Accepted 47 / 47 testcases passed
Vardhan_Ingole submitted at Sep 27, 2025 23:25
Editorial
Solution
Runtime
26 ms | Beats 41.77%
Analyze Complexity
Memory
12.28 MB | Beats 59.43%
20%
10%
0%
7ms
14ms
19ms
24ms
29ms
34ms
Code | C
Vardhan_Ingole
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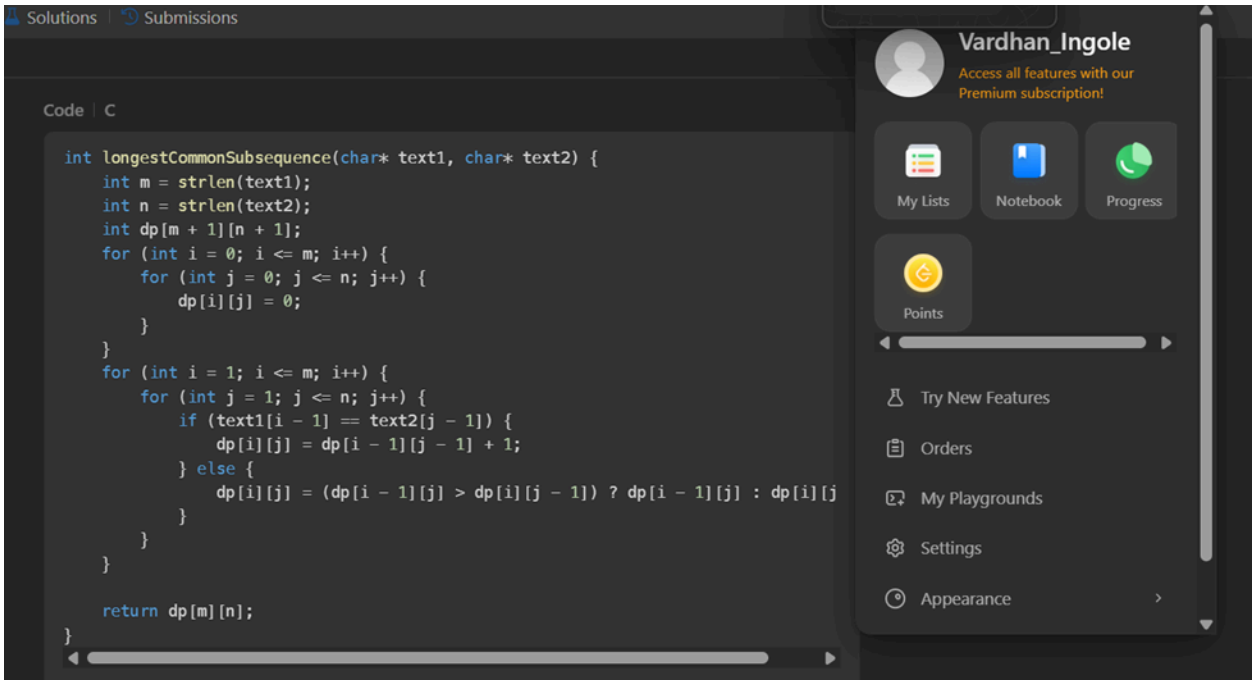
Solutions
Submissions
Code | C
int longestCommonSubsequence(char* text1, char* text2) {
int m = strlen(text1);
int n = strlen(text2);
int dp[m + 1][n + 1];
for (int i = 0; i <= m; i++) {
for (int j = 0; j <= n; j++) {
dp[i][j] = 0;
}
}
for (int i = 1; i <= m; i++) {
for (int j = 1; j <= n; j++) {
if (text1[i - 1] == text2[j - 1]) {
dp[i][j] = dp[i - 1][j - 1] + 1;
} else {
dp[i][j] = (dp[i - 1][j] > dp[i][j - 1]) ? dp[i - 1][j] : dp[i][j
}
}
}
return dp[m][n];
}
Vardhan_Ingole
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